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ABSTRACT OF THE DISCLOSURE

A rake receiver tracks a multi-path signal transmitted from a base station to a mobile station. The rake receiver comprises rake fingers each assigned to a multi-path component. Typically a rake finger performs an early late detection using early and late component of the energy of the component taken before and after a presumed occurrence of an optimum of the energy. An early-late signal is generated from a comparison between a product of a first integer and the early component and a product of another integer and the late component.

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